

Input: Colorimetric Offset Reflective System ORS18

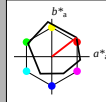
for hue  $h^* = lab^*h = 38/360 = 0.105$

LAB\*LCH, LAB\*NCH

D65: hue O

LCH\*Ma: 48 83 38

olv\*Ma: 1.0 0.0 0.0



ORS18; adapted (a) CIELAB data

| $L^*$                  | $a^*$  | $b^*$  | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------------|--------|--------|--------------|--------------|
| O <sub>Ma</sub> 47.94  | 65.39  | 50.52  | 82.63        | 38           |
| Y <sub>Ma</sub> 90.37  | -10.26 | 91.75  | 92.32        | 96           |
| L <sub>Ma</sub> 50.9   | -62.83 | 34.96  | 71.91        | 151          |
| C <sub>Ma</sub> 58.62  | -30.34 | -45.01 | 54.3         | 236          |
| V <sub>Ma</sub> 25.72  | 31.1   | -44.4  | 54.22        | 305          |
| M <sub>Ma</sub> 48.13  | 75.28  | -8.36  | 75.74        | 354          |
| N <sub>Ma</sub> 18.01  | 0.0    | 0.0    | 0.0          | 0            |
| W <sub>Ma</sub> 95.41  | 0.0    | 0.0    | 0.0          | 0            |
| R <sub>CIE</sub> 39.92 | 58.66  | 26.98  | 64.57        | 25           |
| J <sub>CIE</sub> 81.26 | -2.16  | 67.76  | 67.79        | 92           |
| G <sub>CIE</sub> 52.23 | -42.25 | 11.76  | 43.87        | 164          |
| B <sub>CIE</sub> 30.57 | 1.15   | -46.84 | 46.86        | 271          |

CIELAB lightness  $L^*$

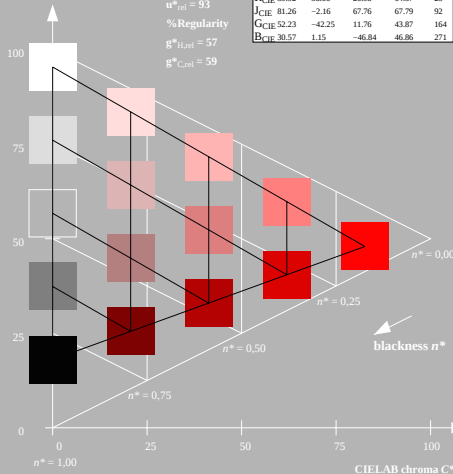
%Gamut

$u^*_{rel} = 93$

%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$



NE300-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

Output: Colorimetric Television Luminous System TLS00

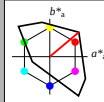
for hue  $h^* = lab^*h = 40/360 = 0.111$

LAB\*LCH, LAB\*NCH

D65: hue O

LCH\*Ma: 51 100 40

olv\*Ma: 1.0 0.0 0.0



TLS00; adapted (a) CIELAB data

| $L^*$                  | $a^*$  | $b^*$   | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------------|--------|---------|--------------|--------------|
| O <sub>Ma</sub> 50.5   | 76.92  | 64.55   | 100.42       | 40           |
| Y <sub>Ma</sub> 92.66  | -20.69 | 90.75   | 93.08        | 103          |
| L <sub>Ma</sub> 83.63  | -82.75 | 79.9    | 115.04       | 136          |
| C <sub>Ma</sub> 86.88  | -46.16 | -13.55  | 48.12        | 196          |
| V <sub>Ma</sub> 30.39  | 76.06  | -103.59 | 128.52       | 306          |
| M <sub>Ma</sub> 57.3   | 94.35  | -58.41  | 110.97       | 328          |
| N <sub>Ma</sub> 0.01   | 0.0    | 0.0     | 0.0          | 0            |
| W <sub>Ma</sub> 95.41  | 0.0    | 0.0     | 0.0          | 0            |
| R <sub>CIE</sub> 39.92 | 58.74  | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub> 81.26 | -2.88  | 71.56   | 71.62        | 92           |
| G <sub>CIE</sub> 52.23 | -42.41 | 13.6    | 44.55        | 162          |
| B <sub>CIE</sub> 30.57 | 1.41   | -46.46  | 46.49        | 272          |

CIELAB lightness  $L^*$

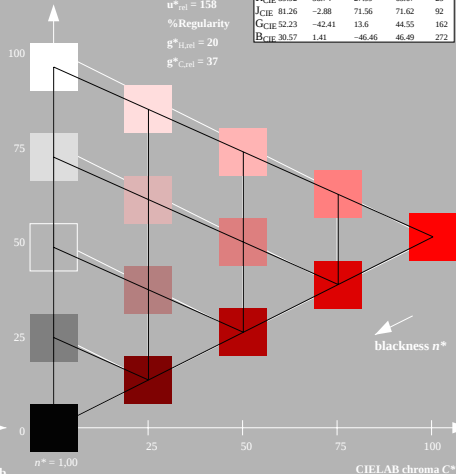
%Gamut

$u^*_{rel} = 158$

%Regularity

$g^*_{H,rel} = 20$

$g^*_{C,rel} = 37$



5 step scales for constant CIELAB hue 40/360 = 0.111 (right)

BAM-test chart NE30; Colorimetric systems ORS18 & TLS00

D65: Coordinate systems of 5 step colour scales for 10 hues

input: olv\*setrgbcolor

output: olv\*setrgbcolor / w\*setgray